

What is claimed is:

1. A display input device comprising:
a display unit having a flexibility; and
a first form change detection unit having a flexibility, at
least a part of the display unit being laminated with the
first form change detection unit, the first form change
detection unit being configured to detect a type of
deformation of the laminated part including bending,
rounding, turning over and torsion as a change in an
electrical property, wherein the change in the electrical
property depends on an amount and type of deformation.
2. A display input device according to claim 1, wherein
the first form change detection unit extends around a screen
of the display unit.
3. A display input device according to claim 1, wherein
the first form change detection unit has a pair of conductive
layers and a perception layer interposed between
the conductive layers, the perception layer being constituted
by a layer having an electric property that changes by at
least one of stress and displacement, and a resistance
between the pair of conductive layers changes when the
deformation is added.
4. A display input device according to claim 1, wherein
the first form change detection unit has a plurality of
divided parts, and each of the divided parts is able to
detect the deformation independently.
5. A display input device according to claim 1, further
comprising a second form change detection unit laminated
with the first form change detection unit,
the second form change detection unit having a flexibility,
and being able to detect a deformation ascribed to the
flexibility as a change in an electrical property, and
the changes in an electrical property of the first and
second form change detection units being different when
the deformation is added.
6. A display input device according to claim 1, wherein
the display unit has a pair of substrates which have a
flexibility,
the first form change detection unit has a pair of substrates
which have a flexibility, and
the display unit and the first form change detection unit
are agglutinated.
7. A display input device according to claim 1, wherein
the display unit has a pair of substrates which have a
flexibility, and
the first form change detection unit is provided between
the pair of substrates.
8. A display input system comprising:
a display input device including:
a display unit having a flexibility; and
a first form change detection unit having a flexibility, at
least a part of the display unit being laminated with
the first form change detection unit, the first form
change detection unit being configured to detect a type
of deformation of the laminated part including bending,
rounding, turning over, and torsion as a change in an
electrical property, the change in electrical property
depending on an amount and type of the deformation;
a display driving unit that supplies a display signal to the
display unit; and
a signal judging unit that judges an input data based on the
change in the electrical property in the first form
change detection unit, and
an input of a first data being performed by adding the
deformation to the display input device.

9. A display input system according to claim 8, wherein
the signal judging unit judges the input data based on a speed
or an acceleration of the deformation.
10. A display input system according to claim 8, further
comprising a data input unit that receives a second data,
wherein the input of the first data is disabled based on the
second data inputted to the data input unit.
11. A display input system according to claim 8, further
comprising a posture change detection unit that detects a
change in posture of the display input device,
wherein the signal judging unit judges the input data
considering the change in posture detected by the
posture change detection unit.
12. A display input system according to claim 8, wherein
the first form change detection unit is extending around a
screen of the display unit.
13. A display input system comprising:
a display input device including:
a display unit having a flexibility; and
a first form change detection unit having a flexibility, at
least a part of the display unit being laminated with
the first form change detection unit, the first form
change detection unit being configured to detect a type
of deformation of the laminated part including bending,
rounding, turning over, and torsion as a change in an
electrical property;
a display driving unit that supplies a display signal to the
display unit; and
a signal judging unit that judges an input data based on the
change in an electrical property in the first form change
detection unit,
wherein
the change in the electrical property corresponds to an
amount and type of the deformation,
the electrical property changes continuously in accordance
with the amount of the deformation, and
the signal judging unit converts the change in the electrical
property into a numerical data.
14. A display input system according to claim 13, wherein
the signal judging unit judges the input data based on a speed
of acceleration of the deformation.
15. A display input system according to claim 13, further
comprising a data input unit that receives a second data,
wherein the input through the first form change detection
unit is disabled based on the second data inputted to the
data input unit.
16. A display input system according to claim 13, further
comprising a posture change detection unit that detects a
change in posture of the display input device,
wherein the signal judging unit judges the input data
considering the change in posture detected by the
posture change detection unit.
17. A display input system comprising:
a display input device including:
a display unit having a flexibility;
a first form change detection unit having a flexibility, at
least a part of the display unit being laminated with
the first form change detection unit, the first form
change detection unit being configured to detect a type
of deformation of the laminated part including bending,
rounding, turning over, and torsion as a change in an
electrical property; and
a second form change detection unit laminated with the
first form change detection unit, the second form
change detection unit having a flexibility, and being
configured to detect a type of deformation including